



Amended dated October 19, 2006
Reply to Office Action of July 19, 2006

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Appl. No. 10/753,463

Amendments to the Claims

The listing of claims will replace all prior versions, and listings of claims in the application.

1. (currently amended) A magnetic head suspension comprising:

a flexure having a magnetic head mounting region;

a load beam portion connected to said flexure and having a dimple at a portion corresponding to said magnetic head mounting region;

a load-bent portion generating a load for pressing a magnetic head to a magnetic disk via said load beam portion, said load-bent portion being formed by a member separate from a member forming said load beam portion; and

a base portion connected to a rear region of said load-bent portion, wherein

said member forming said load beam portion has a reinforcing structure that is symmetrical as viewed from the above based on a center longitudinal axis line, only in a center region in a longitudinal direction from a rearmost portion at the rear region to said dimple.

2. (currently amended) A magnetic head suspension as set forth in claim 1, in which

said member forming said load beam portion has a longitudinal length L from said rearmost portion to said dimple, and

said reinforcing structure is provided within a range of $\pm 0.25L$ from a longitudinal center position located at $L/2$ from said rearmost portion.

3. (original) A magnetic head suspension as set forth in claim 2, in which the longitudinal length of said reinforcing structure is 0.04 to 0.4L.

4. (currently amended) A magnetic head suspension as set forth in claim 1, in which
said reinforcing structure is in the form of a flange structure provided at left and right symmetrical external sides of said member forming said load beam portion.

5. (currently amended) A magnetic head suspension as set forth in claim 2, in which
said reinforcing structure is in the form of a flange structure provided at left and right symmetrical external sides of said member forming said load beam portion.

6. (currently amended) A magnetic head suspension as set forth in claim 3, in which
said reinforcing structure is in the form of a flange structure provided at left and right symmetrical external sides of said member forming said load beam portion.

7. (currently amended) A magnetic head suspension as set forth in claim 1, in which
said member forming said load beam portion has a hollow opening, and

said reinforcing structure is in the form of a flange structure provided at left and right symmetrical internal sides of said member forming said load beam portion, said internal sides defining said hollow opening.

8. (currently amended) A magnetic head suspension as set forth in claim 2, in which

said member forming said load beam portion has a hollow opening, and said reinforcing structure is in the form of a flange structure provided at left and right symmetrical internal sides of said member forming said load beam portion, said internal sides defining said hollow opening.

9. (currently amended) A magnetic head suspension as set forth in claim 3, in which

said member forming said load beam portion has a hollow opening, and said reinforcing structure is in the form of a flange structure provided at left and right symmetrical internal sides of said member forming said load beam portion, said internal sides defining said hollow opening.

10. (currently amended) A magnetic head suspension as set forth in claim 1, in which

said reinforcing structure is in the form of a drawing structure formed on said member forming said load beam portion.

11. (currently amended) A magnetic head suspension as set forth in claim
2, in which

said reinforcing structure is in the form of a drawing structure formed on
said member forming said load beam portion.

12. (currently amended) A magnetic head suspension as set forth in claim
3, in which

said reinforcing structure is in the form of a drawing structure formed on
said member forming said load beam portion.

13. (currently amended) A magnetic head suspension as set forth in claim
1, in which

said member forming said load beam portion includes: a rear region
connected to a front region of said load-bent portion; an intermediate region extending
from the rear region toward the distal end; and a front region extending from the
intermediate region toward the distal end and reaching said magnetic head mounting
region,

said rear region has: a rear short beam extending along a width direction;
and a pair of rear side beams extending from both ends of the rear short beam to the
distal end of the load beam portion and inclined toward the distal end of the load beam
portion so as to come close to the center longitudinal axis line of the load beam portion,

said intermediate region has a pair of intermediate side beams extending
from the distal end of said pair of rear beams to the distal end of the load beam portion

and inclined to be in parallel with the center longitudinal axis line of the load beam portion or inclined toward the distal end of the load beam portion so as to come close to the center longitudinal axis line of the load beam portion, and

said rear beam has an angle of inclination to the center longitudinal axis line of the load beam portion larger than that of said intermediate side beam.

14. (currently amended) A magnetic head suspension as set forth in claim 2, in which

said member forming said load beam portion includes: a rear region connected to a front region of said load-bent portion; an intermediate region extending from the rear region toward the distal end; and a front region extending from the intermediate region toward the distal end and reaching said magnetic head mounting region,

said rear region has: a rear short beam extending along a width direction; and a pair of rear side beams extending from both ends of the rear short beam to the distal end of the load beam portion and inclined toward the distal end of the load beam portion so as to come close to the center longitudinal axis line of the load beam portion,

said intermediate region has a pair of intermediate side beams extending from the distal end of said pair of rear beams to the distal end of the load beam portion and inclined to be in parallel with the center longitudinal axis line of the load beam portion or inclined toward the distal end of the load beam portion so as to come close to the center longitudinal axis line of the load beam portion, and

said rear beam has an angle of inclination to the center longitudinal axis line of the load beam portion larger than that of said intermediate side beam.

15. (currently amended) A magnetic head suspension as set forth in claim 3, in which

said member forming said load beam portion includes: a rear region connected to a front region of said load-bent portion; an intermediate region extending from the rear region toward the distal end; and a front region extending from the intermediate region toward the distal end and reaching said magnetic head mounting region,

said rear region has: a rear short beam extending along a width direction; and a pair of rear side beams extending from both ends of the rear short beam to the distal end of the load beam portion and inclined toward the distal end of the load beam portion so as to come close to the center longitudinal axis line of the load beam portion,

said intermediate region has a pair of intermediate side beams extending from the distal end of said pair of rear beams to the distal end of the load beam portion and inclined to be in parallel with the center longitudinal axis line of the load beam portion or inclined toward the distal end of the load beam portion so as to come close to the center longitudinal axis line of the load beam portion, and

said rear beam has an angle of inclination to the center longitudinal axis line of the load beam portion larger than that of said intermediate side beam.

16. (currently amended) A magnetic head suspension as set forth in claim 4, in which

said member forming said load beam portion includes: a rear region connected to a front region of said load-bent portion; an intermediate region extending from the rear region toward the distal end; and a front region extending from the intermediate region toward the distal end and reaching said magnetic head mounting region,

said rear region has: a rear short beam extending along a width direction; and a pair of rear side beams extending from both ends of the rear short beam to the distal end of the load beam portion and inclined toward the distal end of the load beam portion so as to come close to the center longitudinal axis line of the load beam portion,

said intermediate region has a pair of intermediate side beams extending from the distal end of said pair of rear beams to the distal end of the load beam portion and inclined to be in parallel with the center longitudinal axis line of the load beam portion or inclined toward the distal end of the load beam portion so as to come close to the center longitudinal axis line of the load beam portion, and

said rear beam has an angle of inclination to the center longitudinal axis line of the load beam portion larger than that of said intermediate side beam.

17. (currently amended) A magnetic head suspension as set forth in claim 7, in which

said member forming said load beam portion includes: a rear region connected to a front region of said load-bent portion; an intermediate region extending

from the rear region toward the distal end; and a front region extending from the intermediate region toward the distal end and reaching said magnetic head mounting region,

said rear region has: a rear short beam extending along a width direction; and a pair of rear side beams extending from both ends of the rear short beam to the distal end of the load beam portion and inclined toward the distal end of the load beam portion so as to come close to the center longitudinal axis line of the load beam portion,

said intermediate region has a pair of intermediate side beams extending from the distal end of said pair of rear beams to the distal end of the load beam portion and inclined to be in parallel with the center longitudinal axis line of the load beam portion or inclined toward the distal end of the load beam portion so as to come close to the center longitudinal axis line of the load beam portion, and

said rear beam has an angle of inclination to the center longitudinal axis line of the load beam portion larger than that of said intermediate side beam.

18. (currently amended) A magnetic head suspension as set forth in claim 10, in which

said member forming said load beam portion includes: a rear region connected to a front region of said load-bent portion; an intermediate region extending from the rear region toward the distal end; and a front region extending from the intermediate region toward the distal end and reaching said magnetic head mounting region,

said rear region has: a rear short beam extending along a width direction;
and a pair of rear side beams extending from both ends of the rear short beam to the
distal end of the load beam portion and inclined toward the distal end of the load beam
portion so as to come close to the center longitudinal axis line of the load beam portion,

said intermediate region has a pair of intermediate side beams extending
from the distal end of said pair of rear beams to the distal end of the load beam portion
and inclined to be in parallel with the center longitudinal axis line of the load beam
portion or inclined toward the distal end of the load beam portion so as to come close to
the center longitudinal axis line of the load beam portion, and

said rear beam has an angle of inclination to the center longitudinal axis
line of the load beam portion larger than that of said intermediate side beam.